

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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September 17, 1985

Docket No. 50-423
F0804A

Dr. Thomas E. Murley
Regional Administrator
Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

- References:
- (1) T. T. Martin letter to W. G. Counsil, IE Inspection Report No. 50-423/83-14, dated November 22, 1983.
 - (2) W. G. Counsil letter to T. T. Martin, A03651, dated December 22, 1983.
 - (3) W. G. Counsil letter to T. T. Martin, F0454A, dated March 16, 1984.
 - (4) W. G. Counsil letter to T. E. Murley, F0557A dated June 18, 1984.
 - (5) W. G. Counsil letter to T. E. Murley, F0575A, dated September 28, 1984.
 - (6) E. C. Wenzinger letter to W. G. Counsil, IE Inspection Report No. 50-423/84-20, dated December 21, 1984.
 - (7) W. G. Counsil letter to R. W. Starostecki, A04566, dated January 18, 1985.
 - (8) W. G. Counsil letter to T. E. Murley, F0666A, dated January 31, 1985.
 - (9) J. F. Opeka letter to T. E. Murley, F0690A, dated June 28, 1985.

Dear Dr. Murley:

Millstone Nuclear Power Station, Unit 3
Reporting of Potential Significant Deficiencies
in Accordance with 10CFR 50.55(e):
Tubeco Weld Radiographs (SD-56)

Potential deficiencies with Tubeco weld radiographs were first identified in a notice of violation in IE Inspection Report 50-423/83-14 (Reference 1). The violation concerned potential film density violations and the placing of

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penetrameters in the weld. Northeast Nuclear Energy Company (NNECO) responded to this notice of violation and concluded that these were not technical problems or safety concerns (References 2 and 3). However, a subsequent review uncovered three additional potential problems with Tubeco weld radiographs (undocumented linear indications, excessive geometric unsharpness, and penetrameter identification numbers in the weld) which lead us to report a potential significant deficiency in the construction of Millstone Unit No. 3 as required by 10CFR50.55(e) (Reference 4). We concluded that this was not a significant deficiency and that we believed Tubeco weld quality was adequate (Reference 5).

In Reference 6, you requested that we revise our September 28, 1984 (Reference 5) response to you based on information revealed during a subsequent, independent review of Tubeco weld radiographs by one of your inspectors.

In accordance with commitments made in Reference 7, 8 and 9 NNECO hereby provides the following update summarized below with latest estimated total weldment Figures included:

- o NNECO has completed a 100% review of Tubeco Radiographs for QA Category I, ASME III Code Class 1, 2, and 3 welds. A total of 2185 weld radiographic film packages were reviewed.
- o Approximately 1230 weldments' radiographic film have been rejected for technique, film quality, and/or weld quality attributes.
- o Approximately 620 weld radiographs were rejected for film technique, but did not require further nondestructive examination to ensure code compliance.
- o 610 weldments required additional nondestructive examination to ensure code compliance.
- o 467 weldments required volumetric NDE reexamination.
- o 143 weldments required surface NDE examination.
- o Several volumetric repair and surface examinations remain to be performed.
- o 60 weldments have rejectable weld or base metal indications. Forty had rejectable radiographic indications. The remaining 20 weldments exhibited rejectable magnetic particle surface indications in the weld or adjacent base material.
- o Eight additional weldments exhibited potential rejectable radiographic indications. These weldments are being repaired without confirming if the indications were revelent or nonrevelent because of schedular constraints.

Corrective actions have not yet been completed, therefore we are not able to provide you with a final report at this time. We will provide an update on this matter by November 1, 1985.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

J. F. OPEKA

J. F. Opeka
Senior Vice President

E. J. Mroczka

By: E. J. Mroczka
Vice President

cc: Mr. J. M. Taylor, Director
Division of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555